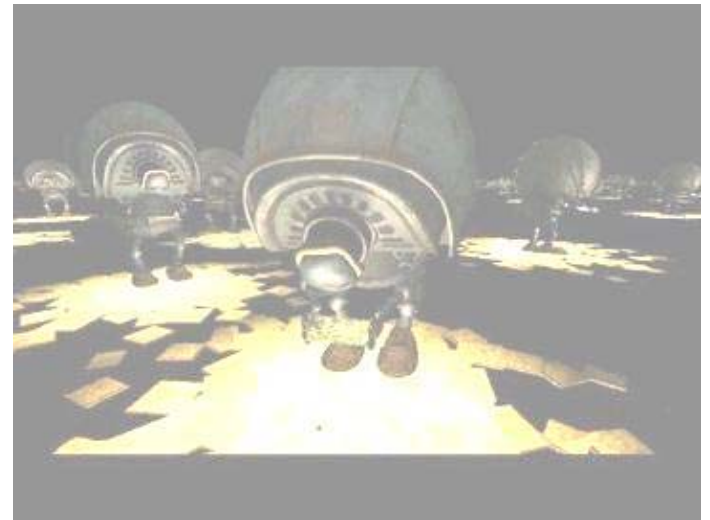


IS AN “IT” CAREER  
IN YOUR FUTURE?



# OCCUPATIONS FOR THE NEW MILLENNIUM .

- Will center around information, energy, high-tech, health care, and financial institutions
- Will create a new occupational structure and vocabulary relating to:
  - computers
  - robotics
  - biotechnology
  - lasers and
  - fiber optics





# EMERGING OCCUPATIONS

As technology changes, new skills and occupations employing those skills emerge. Several years ago few would have imagined such job titles as "Internet Webmaster." In many cases, these occupations may be among the fastest growing in the economy with no ready supply of workers available with the required skills.

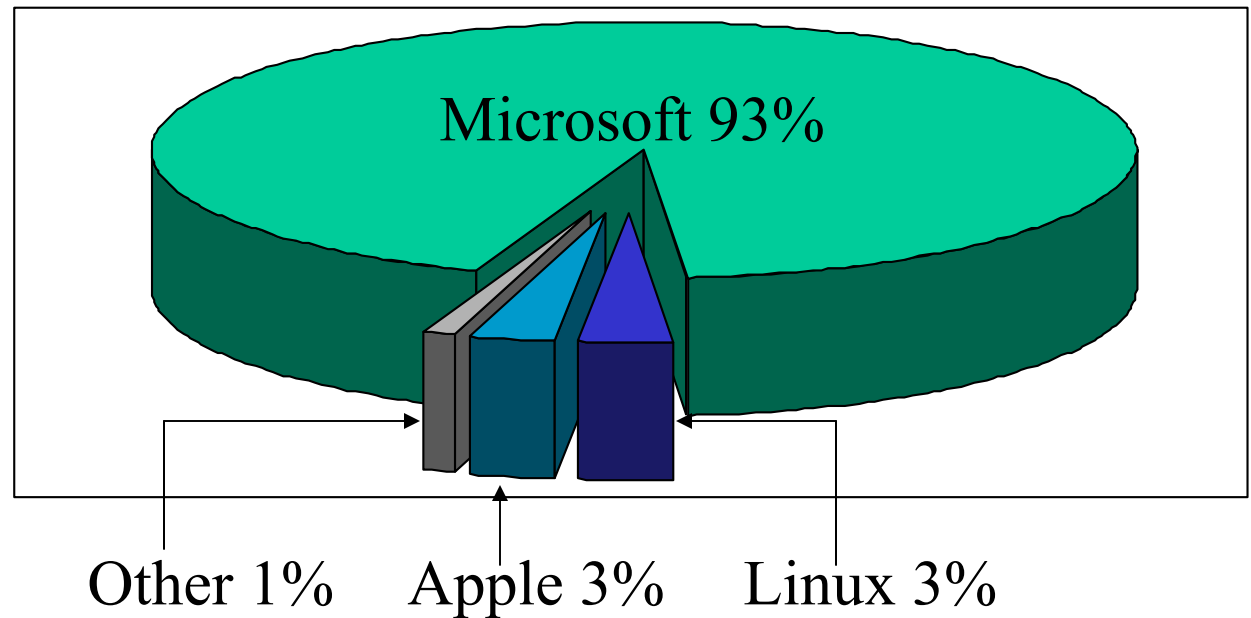


# “IT FACTS”

- The U. S. is the world leader in information and communications technology.
- Information technology has been an incredibly powerful source of American employment and job growth.
- Approximately 10.1 million people are currently employed in “IT” jobs.
- Managers predict an aggregate demand for in excess of 1.1 million workers over the upcoming months with 578,711 due to go unfilled due to a lack of qualified workers.
- The most in-demand tech skills include C++ followed by Oracle, Java, SQL and Windows NT.

# LEADERS IN THE PC INDUSTRY

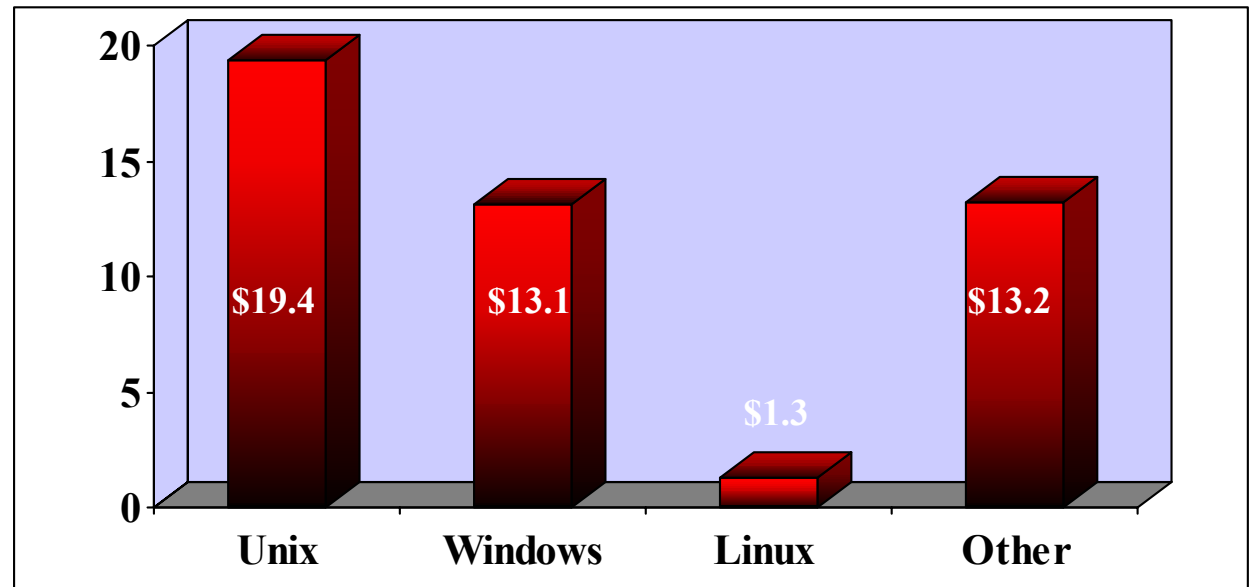
## PC Operating Systems Market Share



Source: IDC – Data are projected numbers published February 2002

# LEADERS IN THE PC INDUSTRY

## Worldwide Server Revenue (in billions)



Source: Gartner Dataquest (March 2002)



# “IT” JOB OUTLOOK

- Job prospects are excellent with growth in computer and data processing services projected to be one of the fastest growing industries in the U. S.
- According to the Bureau of Labor Statistics, eight of the top 10 fastest growing occupations from 2000 - 2010 are in the “IT” field.
- The Bureau’s list reflects the two dominant trends in U. S. society—the emergence of technology in virtually every area of life and the aging of the “baby boomers.”
- Employers continue to seek computer professionals who can combine strong technical skills with good interpersonal and business skills.

# FASTEST GROWING OCCUPATIONS 2000 - 2010

- 📄 Computer software engineers, applications
- 📄 Computer support specialists
- 📄 Computer software engineers, systems software
- 📄 Network and computer systems administrators
- 📄 Network systems and data communications analysts
- 📄 Desktop publishers
- 📄 Database administrators
- 📄 Computer systems analysts
- 📄 **Other: Personal and home care aides and medical assistants**

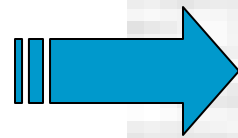
# What do "IT" professionals in Virginia earn?

## Earnings: Information Technology Salaries in Virginia

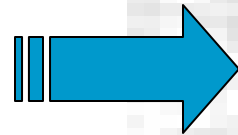
Computer Programmers	\$57,600
Computer Software Engineers (Applications)	\$66,310
Computer Software Engineers (Systems Software)	\$70,400
Computer Support Specialists	\$39,140
Database Administrators	\$49,300
Network & Computer Systems Administrators	\$55,160
Network Systems & Data Communications Analysts	\$61,220

There will be 2,164 job openings per year for Computer Programmers through 2008

# CAREER PATHWAYS IN “IT”




Information Services &  
Support 



Network Systems 



Programming & Software  
Development 



Interactive Media 

# CAREER RESOURCES

- ***Publications***

- [R U Ready?](#) (\$1 per copy)
- [Mid-Atlantic Guide to Information on Careers \(MAGIC\)](#) Virginia Employment Commission (Free)

- ***Videotape***

- [CyberCareers Order Form](#) – (\$20)

- ***Internet Resources***

- [\*\*\*CyberCareers Educators' Central\*\*\*](#)

- [\*\*\*Career Assessment\*\*\*](#)

- [Princeton Review Career Quiz](#)

- [Keirsey Temperament Sorter](#)

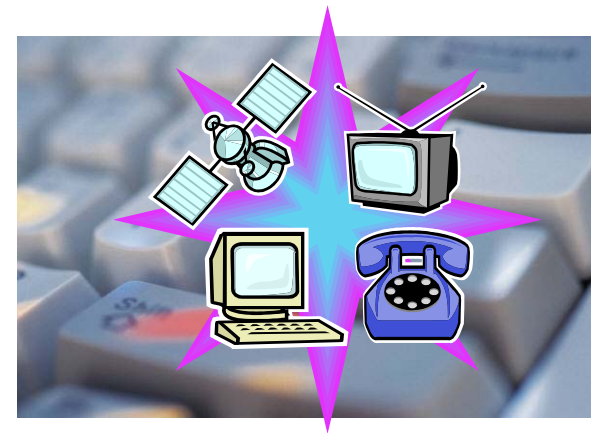
- [\*\*\*Career Fields\*\*\*](#)

- [Occupational Outlook Handbook](#)

- [Projections for Occupations](#)

- [Salaries](#)

- [RU Ready? Life After High School](#)



# CAREER RESOURCES

- **Internet Resources (Continued)**

***How Do I Get There?***

[Writing Electronic Resumes](#)

[Interviewing](#)

[Online Job Search Service - FlipDog](#)

[Career Path](#)

[Job Bank USA](#)

[Federal Jobs Digest](#)

[America's Job Bank](#)

[Monster Board](#)

***Other Career Sites***

[Career Magazine](#)

[Career Journal](#)

[CompTIA's TechCareer Compass](#)

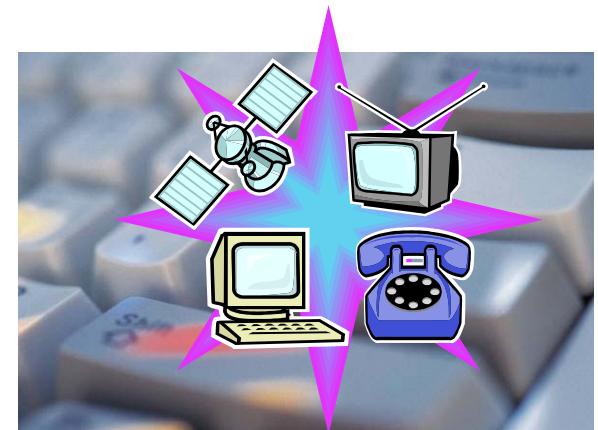
[IT Career Clusters Initiative](#)

[Online Jobs and Career Search](#)

[Virginia Career Resource Network](#)

[Virginia Employment Commission](#)

[VEC Brochure](#)





# Teacher Resources

- [IT Career Profile](#)
- [Questions for IT Experts](#)
- [Teacher-Developed Project:](#)  
Dianne Stevens, Forest Park High School - Prince William County